

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040523\
 Data File : VN077258.D
 Acq On : 05 Apr 2023 12:28
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 05 12:55:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 05 11:06:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	564174	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.107	114	1083455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	997321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	449761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	370159	63.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 127.460%#			
35) Dibromofluoromethane	8.172	113	329960	49.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	10.572	98	1364172	56.424	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.840%			
62) 4-Bromofluorobenzene	12.848	95	464283	58.008	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.020%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	352122	122.132	ug/l	99
3) Chloromethane	2.372	50	406568	109.276	ug/l	99
4) Vinyl Chloride	2.519	62	594356	146.574	ug/l	95
5) Bromomethane	2.949	94	400048	137.224	ug/l	99
6) Chloroethane	3.125	64	399529	117.835	ug/l	96
7) Trichlorofluoromethane	3.501	101	511245	55.654	ug/l	96
8) Diethyl Ether	3.972	74	215200	60.831	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.378	101	300507	54.790	ug/l	89
10) Methyl Iodide	4.601	142	405244	60.256	ug/l	99
11) Tert butyl alcohol	5.537	59	393208	417.248	ug/l	99
12) 1,1-Dichloroethene	4.348	96	310458	61.216	ug/l	93
13) Acrolein	4.184	56	333898	333.904	ug/l	97
14) Allyl chloride	5.031	41	460402	52.376	ug/l #	85
15) Acrylonitrile	5.731	53	885919	285.903	ug/l	99
16) Acetone	4.437	43	682378	236.292	ug/l	98
17) Carbon Disulfide	4.725	76	878995	65.101	ug/l	98
18) Methyl Acetate	5.037	43	544561	50.139	ug/l	90
19) Methyl tert-butyl Ether	5.801	73	1177493	69.382	ug/l	94
20) Methylene Chloride	5.290	84	371907	57.530	ug/l	85
21) trans-1,2-Dichloroethene	5.795	96	357784	64.518	ug/l	88
22) Diisopropyl ether	6.684	45	1011888	54.431	ug/l #	89
23) Vinyl Acetate	6.613	43	3588557	321.687	ug/l #	93
24) 1,1-Dichloroethane	6.578	63	645744	59.132	ug/l	99
25) 2-Butanone	7.489	43	1135185	276.529	ug/l	90
26) 2,2-Dichloropropane	7.495	77	585893	72.520	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	431130	65.005	ug/l	93
28) Bromochloromethane	7.819	49	222351	46.659	ug/l	94
29) Tetrahydrofuran	7.842	42	751920	291.322	ug/l #	83
30) Chloroform	7.972	83	682972	63.490	ug/l	99
31) Cyclohexane	8.260	56	549093	53.599	ug/l	86
32) 1,1,1-Trichloroethane	8.172	97	613007	67.553	ug/l	97
36) 1,1-Dichloropropene	8.378	75	517374	52.711	ug/l	99
37) Ethyl Acetate	7.566	43	464287	47.148	ug/l	96
38) Carbon Tetrachloride	8.366	117	524382	52.102	ug/l	97
39) Methylcyclohexane	9.607	83	681348	56.601	ug/l	92
40) Benzene	8.613	78	1609860	52.241	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	248745	46.212	ug/l	91
42) 1,2-Dichloroethane	8.678	62	500258	49.612	ug/l	99
43) Isopropyl Acetate	8.695	43	838810	54.300	ug/l #	97
44) Trichloroethene	9.354	130	386388	48.461	ug/l	99
45) 1,2-Dichloropropane	9.625	63	383818	46.821	ug/l	93
46) Dibromomethane	9.713	93	284603	54.609	ug/l #	83
47) Bromodichloromethane	9.889	83	556028	54.187	ug/l	98
48) Methyl methacrylate	9.683	41	363716	48.813	ug/l #	79
49) 1,4-Dioxane	9.695	88	172012	1213.504	ug/l	90
51) 4-Methyl-2-Pentanone	10.448	43	2556146	261.332	ug/l	97
52) Toluene	10.636	92	1073899	57.614	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	653251	64.543	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	680490	57.874	ug/l	98
55) 1,1,2-Trichloroethane	11.019	97	413553	53.636	ug/l	99
56) Ethyl methacrylate	10.877	69	665670	62.368	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	692177	52.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	1021482	276.857	ug/l	96
59) 2-Hexanone	11.195	43	1889871	266.240	ug/l	96
60) Dibromochloromethane	11.360	129	448328	55.965	ug/l	100
61) 1,2-Dibromoethane	11.472	107	425361	56.823	ug/l	99
64) Tetrachloroethene	11.107	164	307146	42.060	ug/l	89
65) Chlorobenzene	11.895	112	1120095	53.196	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	412475	51.117	ug/l	98
67) Ethyl Benzene	11.966	91	2070921	58.337	ug/l	96
68) m/p-Xylenes	12.077	106	1648269	119.379	ug/l	100
69) o-Xylene	12.401	106	818516	61.477	ug/l	99
70) Styrene	12.413	104	1345415	63.472	ug/l	98
71) Bromoform	12.583	173	312787	49.383	ug/l #	99
73) Isopropylbenzene	12.701	105	2085753	62.189	ug/l	98
74) N-amyl acetate	12.495	43	777353	62.869	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.942	83	639922	54.863	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	550592m	54.773	ug/l	
77) Bromobenzene	12.983	156	421736	46.959	ug/l	84
78) n-propylbenzene	13.042	91	2374194	64.192	ug/l	99
79) 2-Chlorotoluene	13.130	91	1387848	58.337	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	1768759	65.609	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.742	75	229944m	65.403	ug/l	
82) 4-Chlorotoluene	13.224	91	1352444	60.500	ug/l	98
83) tert-Butylbenzene	13.442	119	1484120	60.423	ug/l	96
84) 1,2,4-Trimethylbenzene	13.483	105	1763159	66.969	ug/l	97
85) sec-Butylbenzene	13.618	105	2155310	64.990	ug/l	97
86) p-Isopropyltoluene	13.730	119	1774520	65.606	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	828598	52.584	ug/l	96
88) 1,4-Dichlorobenzene	13.813	146	816308	52.506	ug/l	98
89) n-Butylbenzene	14.060	91	1500389	69.257	ug/l	98
90) Hexachloroethane	14.336	117	355347	63.152	ug/l	68
91) 1,2-Dichlorobenzene	14.113	146	820521	53.015	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.724	75	127664	65.516	ug/l	86
93) 1,2,4-Trichlorobenzene	15.371	180	366100	60.792	ug/l	96
94) Hexachlorobutadiene	15.465	225	162382	31.518	ug/l	98
95) Naphthalene	15.589	128	1414264	88.333	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	348127	58.864	ug/l	96

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

